



1 of 3

FORM PTO-1449 (Modified)

LIST OF PATENTS AND PUBLICATIONS  
FOR APPLICANT'S INFORMATION  
DISCLOSURE STATEMENT

(Use several sheets if necessary)

ATTY. DOCKET NO. 1646-007A SERIAL NO. 09/023,259

APPLICANT Ritchie et al.

FILING DATE February 18, 1998

GROUP 2741-2747

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	SUB-CLASS	CLASS	FILING DATE IF APPROPRIATE
J.T.	AA 2 9 5 0 8 0 0	8/30/60	Caldwell			
J.T.	AB 4 3 7 9 2 8 8	4/5/83	Leung et al.	341	28	
J.T.	AC 4 5 0 0 8 7 2	2/19/85	Huang	341	28	
J.T.	AD 4 5 5 9 6 1 5	12/17/85	Goo et al.	707	535	
J.T.	AE 4 6 8 4 9 2 6	8/4/87	Yong-Min	341	28	
J.T.	AF 4 6 8 9 7 4 3	8/25/87	Chiu	341	20	
J.T.	AG 4 6 9 2 8 6 5	9/8/87	Hsu	707	535	
J.T.	AH 4 8 2 9 5 8 3	5/9/89	Monroe et al.	382	185	
J.T.	AI 4 9 3 7 7 4 5	6/26/90	Carmon	707	535	
J.T.	AJ 4 9 5 1 2 0 2	8/21/90	Yan	707	535	
J.T.	AK 4 9 5 4 9 5 5	9/4/90	Chiu			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	SUB-CLASS	CLASS	TRANSLATION YES	NO
AL							
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AN							
AO							
AP							

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

JOSEPH THOMAS

DATE CONSIDERED

9/13/99

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(INFORMATION DISCLOSURE STATEMENT - SECTION 9 PTO-1449 (6-1)--PAGE 1 OF 3)

ATTACHMENT TO PAPER #13



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FORM PTO-1449 (Modified) MAY 18 1998		ATTY. DOCKET NO. 1646-007A	SERIAL NO. 09/023,259
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT		APPLICANT Ritchie et al.	
(Use several sheets if necessary)		FILING DATE February 18, 1998	GROUP 2741 2747

REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS				
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J.T.	AA 5 1 0 9 3 5 2	4/28/92	O'Dell	707	542	
J.T.	AB 5 1 1 9 2 9 6	6/2/92	Zheng et al.	707	535	
J.T.	AC 5 1 8 7 4 8 0	2/16/93	Thomas et al.	341	22	
J.T.	AD 5 1 9 7 8 1 0	3/30/93	Zhang et al.	400	110	
J.T.	AE 5 1 9 8 9 7 8	3/30/93	Garneau et al.	707	8	
J.T.	AF 5 2 1 2 6 3 8	5/18/93	Bernath	707	535	
J.T.	AG 5 2 1 2 7 6 9	5/18/93	Pong	345	467	
J.T.	AH 5 2 5 1 2 9 3	10/5/93	Ishii et al.	707	542	
J.T.	AI 5 2 5 5 1 8 9	10/19/93	Woo	707	535	
J.T.	AJ 5 2 9 5 2 3 8	3/15/94	Dickson	345	471	
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1646-007A

SERIAL NO.  
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Ritchie et al.

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GROUP  
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AC	5 4 8 8 3 6 3	1/30/96	Peng	341	28 R	Z	REC
AD	5 5 2 4 1 9 8	6/4/96	Matsumoto et al.	345	340 C	1	
AE	5 5 4 8 6 3 4	8/20/96	Gahang et al.	379	93.27	1	RECEIVE
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AH						0	
AI						0	
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AK						0	

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P A T E N T & T R A D E M A R K O F F I C E

1 of 4

Form PTO-1449 INFORMATION-DISCLOSURE STATEMENT		Docket No: 101102-0002	Serial No. 09/023,259
		Applicant: Wallace A. Ritchie et al.	
		Filed: February 13, 1998	Group 274+ 2747

## U. S. Patent Documents

Ex.	Doc. No.	Date	Name	Class	Subcl.	Filed
J.T.	3,647,973	3/7/72	James et al.	379	93.27	69
J.T.	3,967,273	6/29/76	Knowlton	341	22	DR 10 JAN 22 1999
J.T.	4,189,779	2/19/80	Brautingham	704	265	DR 10 JAN 22 1999
J.T.	4,191,854	3/4/80	Coles	379	93.18	7 DR 10 JAN 22 1999
J.T.	4,360,892	11/23/82	Endfield	707	534	2 DR 10 JAN 22 1999
J.T.	4,381,502	4/26/83	Prame	341	26	10 JAN 22 1999
J.T.	4,426,555	1/17/84	Underkoffler	379	93.18	10 JAN 22 1999
J.T.	4,427,848	1/24/84	Tsakanikas	379	88.16	35
J.T.	4,438,505	3/20/84	Yanagiuchi et al.	704	7	
J.T.	4,442,506	4/10/84	Endfield	341	22	
J.T.	4,481,508	11/6/84	Kamei et al.	345	171	
J.T.	4,549,279	10/22/85	Lapeyre	708	145	
J.T.	4,649,563	3/10/87	Riskin	379	93.27	
J.T.	4,661,916	4/28/87	Baker et al.	704	260	
J.T.	4,674,112	6/16/87	Kondraske et al.	379	93.18	

## Foreign Patent Documents

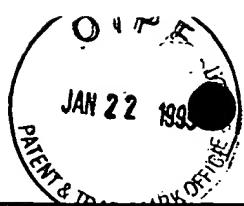
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J.T.	0 204 536	12/10/86	EP			
J.T.	0 300 495	1/29/85	EP			
J.T.	0 574 110 A1	12/15/93	EP			
J.T.	2 060 231	4/29/81	GB			
J.T.	2 062 916	9/26/80	GB			

## OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)

J.T.		Minneman; 1985; A Simplified Touch-Tone® Telecommunication Aid for Deaf and Hearing Impaired Individuals: RESNA 8th Annual Conference, Memphis, Tennessee, pages 209-211.
J.T.		Levine et al.; 1986; Computer Disambiguation of Multi-Character Key Text Entry: An Adaptive Design Approach: CH2364-8/86/0000-0298 IEEE, pages 298-301.
J.T.		Foulds et al.; 1987; Statistical Disambiguation of Multi-Character Keys Applied to Reduce Motor Requirements for Augmentative and Alternative Communication: 0743-4618/87/0304-0192.

Examiner:	JOSEPH THOMAS	Date Considered:	9/13/99
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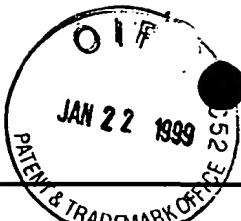
Form PTO-1449 INFORMATION-DISCLOSURE STATEMENT			Docket No: 101102-0002 Applicant: Wallace A. Ritchie et al.	Serial No. 09/023,259			
			Filed: February 13, 1998	Group 2741 2747			
U. S. Patent Documents							
Ex.		Doc. No.	Date	Name	Class	Subcl.	Filed
J.T.		4,677,659	6/30/87	Dargan	379	93.27	29 JAN 27 1990
J.T.		4,754,474	6/28/88	Feinson	379	93.18	RECEIVED
J.T.		4,791,408	12/13/88	Heusinkveld	700	84	27 JAN 27 1990
J.T.		4,817,129	3/28/89	Risken	379	88.24	RECEIVED
J.T.		4,823,294	4/18/89	Rouhani	708	142	27 JAN 27 1990
J.T.		4,846,598	7/11/89	Livits	400	472	100
J.T.		4,849,732	7/18/89	Dolenc	341	20	30
J.T.		4,866,759	10/12/89	Riskin	379	93.27	25
J.T.		4,872,196	10/3/89	Royer et al.	455	564	
J.T.		4,891,777	1/2/90	Lapeyre	708	130	
J.T.		5,031,206	7/9/91	Riskin	379	93.27	
Foreign Patent Documents							
			Date	Country	Class	Subcl.	Filed
J.T.		2 066 534	7/8/81	GB			
J.T.		2116341A	9/21/83	GB			
J.T.		2118749A	11/2/83	GB			
J.T.		2125197A	2/29/84	GB			
J.T.		48259	6/20/79	AU			
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)							
J.T.			Levine et al.; 1987; Multi-Character Key Text Entry Using Computer Disambiguation: RESNA 10th Annual conference, San Jose, California, pages 177-178.				
J.T.			Kamphuis et al.; 1989; KATDAS; A Small Number of Keys Direct Access System: RESNA 12th Annual Conference, New Orleans, Louisiana, pages 278-279.				
J.T.			Kreifeldt et al.; 1989; Reduced Keyboard Designs Using Disambiguation: Proceedings of the Human Factors Society 33rd Annual Meeting, pages 441-444.				
Examiner: JOSEPH THOMAS				Date Considered: 9/13/99			
<p>*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609.      Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>							

JAN 22 1998



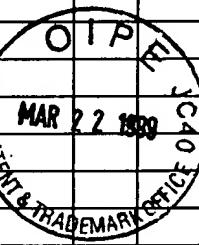
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Form PTO-1449 <b>INFORMATION-DISCLOSURE</b> <b>STATEMENT</b>			Docket No: 101102-0002		Serial No. 09/023,259		
			Applicant: Wallace A. Ritchie et al.				
			Filed: February 13, 1998		Group <del>2741</del> 2747		
<b>U. S. Patent Documents</b>							
Ex.		Doc. No.	Date	Name	Class	Subcl.	Filed
J.T.		5,035,205	7/30/91	Schiller et al.	119	168	
J.T.		5,063,376	11/5/91	Chang	345	163	
J.T.		5,065,661	11/19/91	Hacker	84	719	
J.T.		5,067,103	11/19/91	Lapeyre	708	146	JAN 27
J.T.		5,087,910	2/11/92	Guyot-Sionnest	345	169	RECEIVED
J.T.		5,128,672	7/7/92	Kaehler	341	23	
J.T.		5,131,045	7/14/92	Roth	704	237	PM
J.T.		5,156,475	10/20/92	Zilberman	400	473	10/00
J.T.		5,163,084	11/10/92	Kim et al.	379	88.01	35
J.T.		5,200,988	4/6/93	Riskin	379	52	
J.T.		5,210,689	5/11/93	Baker et al.	704	1	
J.T.		5,214,689	5/25/93	O'Sullivan	379	88.01	
<b>Foreign Patent Documents</b>							
			Date	Country	Class	Subcl.	Filed
J.T.		WO90/07149	6/28/90	PCT			
J.T.		0 319 193 A3	6/7/89	EPC			
J.T.		0 540 147 A2	5/5/93	EPC			
J.T.		0 651 315 A1	5/3/95	EPC			
J.T.		0 464 726 A2	1/8/92	EPC			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)</b>							
J.T.		Arnott et al.; 9/1992; Probabilistic Character Disambiguation for Reduced Keyboards Using Small Text Samples: 0743-4618/92/0803-0215, pages 215-223.					
J.T.		Oommen et al.; 1992; Correction to "An Adaptive Learning Solution to the Keyboard Optimization Problem": 0018-9472/92 IEEE					
J.T.		"Speed Keyboard for Data Processor," IBM Technical Disclosure Bulletin, Bol. 23, pp. 838-839, July, 1980. © IBM Corp., 1993.					
Examiner:				Date Considered: <u>9/13/99</u>			
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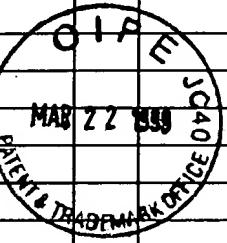
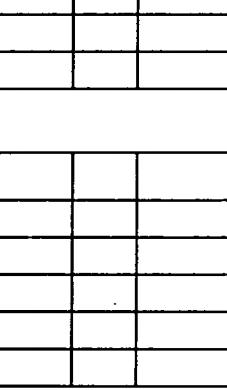


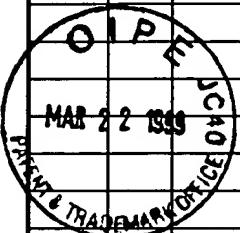
4 of 4

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<b>U. S. Patent Documents</b>						
Ex.	Doc. No.	Date	Name	Class	Subcl.	Filed
J.T.	5,218,538	6/8/93	Zhang	707	534	
J.T.	5,229,936	7/20/93	Decker et al.	704	10	
J.T.	5,255,310	10/19/93	Kim et al.	379	98.05	
J.T.	5,258,748	11/2/93	Jones	345	172-0	
J.T.	5,281,966	1/25/94	Walsh	341	22-0	
J.T.	5,289,394	2/22/94	Lapeyre, deceased	708	142-2	
J.T.	5,305,205	4/19/94	Weber et al.	707	531-0	
J.T.	5,317,647	5/31/94	Pagallo	382	161-0	
J.T.	5,339,358	8/16/94	Danish et al.	379	368-05	
J.T.	5,388,061	2/7/95	Hankes	708	<del>102</del> 142	
J.T.	5,392,338	2/21/95	Danish et al.	379	93-27	
J.T.	5,818,437	10/6/98	Grover et al.	345	326	
<b>Foreign Patent Documents</b>						
		Date	Country	Class	Subcl.	Filed
J.T.	WO89/05745	6/29/89	PCT			
J.T.	0 689 122 A1	12/27/95	EPC			
<b>OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)</b>						
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Ex.		Doc. No.	Date	Name	Class	Subcl.	Filed
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Foreign Patent Documents							
		Date	Country	Class	Subcl.	Filed	
OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)							
J.T.		Levine, S. H. et al., "Adaptive Technique for Customized Interface Design With Application to Nonvocal Communication," <i>RSNA 9th Annual Conference, Minneapolis, Minnesota, 1986.</i>					
J.T.		Levine, S.H., "An Adaptive Approach to Optimal Keyboard Design for Nonvocal Communication," <i>IEEE, 1985. 1985 Proceedings of Int. Conf. on Cybernetics &amp; Society p 334-7</i>					
J.T.		Swiffin, A.L. et al., "Adaptive and Predictive Techniques in a Communication Prosthesis," <i>AAC Augmentative and Alternative Communication (1987).</i>					
Examiner: JOSEPH THOMAS				Date Considered: 9/13/99			

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JT.			Swiffin, A.L. et al., "PAL: An Efficient Portable Communication Aid and Keyboard Emulator," <i>RESNA 8th Annual Conference, Memphis, Tennessee, 1985.</i>				
JT.			Smith, Sidney L. et al., "Alphabetic Data Entry Via the Touch-Tone Pad: A Comment," <i>Human Factors</i> , 13(2), pp. 189-190, 1971.				
JT.			Witten, I.H., "Principles of Computer Speech," New York: Academic Press, (1982), pp. 246-253				
Examiner:			JOSEPH THOMAS		Date Considered:		9/13/98
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U. S. Patent Documents							
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OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)							
J.T.		Foulds, R. et al., "Lexical Prediction Techniques Applied to Reduce Motor Requirements for Augmentative Communication," <i>RESNA 10th Annual Conference, San Jose, California, 1987.</i>					
J.T.		King. M.T., "JustType™ - Efficient Communication with Eight Keys," <i>Proceedings of the RESNA '95 Annual Conference, Vancouver, BC, Canada, 1995.</i>					
J.T.		Matias, E. et al., "Half-QWERTY: Typing With One Hand Using Your Two-Handed Skills," <i>Conference Companion, CHI '94, (April 24-28, 1994).</i>					
Examiner: JOSEPH THOMAS				Date Considered: 9/13/99			

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OTHER DOCUMENTS (Including Author, Title, Date, Pages, Etc)							
J.T.		Suginoto, M. et al., "SHK: Single Hand Key Card for Mobile Devices," CHI 1996 (April 13-18, 1996).					
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